

**The Effect of Heat and Age Upon the Antiscorbutic Vitamine in Tomatoes.**—GIVENS and McCULLAGE (*Proc. Soc. for Exp. Biol. and Med.*, 1921, xviii, 148) conducted feeding experiments upon guinea-pigs in order to determine the effect of heat and age upon the antiscorbutic accessory in tomatoes. They found guinea-pigs protected against scurvy by daily doses of 2.5 grams of fresh raw tomatoes; by 10 grams of fresh raw tomatoes heated one hour at 100° C.; by 2 grams of dried tomatoes heated fifteen minutes at 100° C.; by 10 grams of tomatoes canned at fifteen pounds' pressure for thirty minutes; by 3 c.c. of commercial canned tomatoes three years old, and by 10 grams commercial canned tomatoes, three years old, cooked fifteen minutes at 100° C.

**Immunological Distinctions of Encephalitis and Poliomyelitis.**—AMOSS (*Jour. Exp. Med.*, 1921, xxxii, 187) states that lethargic encephalitis is an epidemic disease, the main manifestations of which relate to injury inflicted upon the central nervous system and in particular the basal ganglia of the brain. Poliomyelitis is an epidemic disease, the main manifestations of which relate to injury inflicted upon the central nervous system and in particular the gray matter of the spinal cord and medulla oblongata. At the outset of the epidemic of lethargic encephalitis the two diseases tend to prevail at distinct and different seasons of the year, although recently cases of epidemic encephalitis have arisen in the midsummer months. The two maladies therefore are perhaps less distinguished by seasonal prevalence than has been supposed. They are, however, distinguished by great differences in communicability to monkeys. Epidemic poliomyelitis is readily transmitted through inoculation of the affected central nervous tissues of man to monkeys, while it may still be regarded as doubtful whether lethargic encephalitis has been communicated to monkeys in this manner. The two diseases can be distinguished through the power of the blood serum under certain circumstances to neutralize the virus of poliomyelitis. The blood serum of convalescent cases of poliomyelitis, whether in man or monkey, possesses this neutralizing power, while the blood serum of recently convalescent cases of epidemic encephalitis is devoid of it. On the basis of the distinguishing characters described it is regarded as desirable at the present time to hold epidemic poliomyelitis and epidemic encephalitis as integrally distinct affections. The latter also may be infectious, yet the main lesions of poliomyelitis are present in the spinal cord and of epidemic encephalitis in the midbrain.

---

**Notice to Contributors.**—All communications intended for insertion in the Original Department of this JOURNAL are received only with the distinct understanding that they are contributed exclusively to this JOURNAL.

Contributions from abroad written in a foreign language, if on examination they are found desirable for this JOURNAL, will be translated at its expense.

A limited number of reprints in pamphlet form, if desired, will be furnished to authors, providing the request for them be written on the manuscript.

All communications should be addressed to—

DR. GEORGE MORRIS PIERSOL, 1913 Spruce St., Philadelphia, Pa., U. S. A.

# Non-Irritating to Normal Tissue

**U**NLIKE all other hypochlorite solutions Hychlorite is exceedingly low in alkalinity. (Cal. Hyd. 1-6 of 1%). Laboratory tests have proved that Hychlorite diluted to meet chemical standards for irrigating, swabbing and dressing, shows less alkalinity content than any other hypochlorite antiseptic.

Hychlorite used either in the concentrate or in dilution will not irritate normal tissue or mucous membrane. Hychlorite is ready for instant use.

Hychlorite combines with high antiseptic activity, a rapid solvent power that cleans necrose tissue, blood and plasma clots from membranes, permitting the elimination of underlying bacilli.

Hychlorite is accepted by the Council on Pharmacy and Chemistry, American Medical Association (N. N. R.).

45,207 drug stores sell Hychlorite.

BETHLEHEM LABORATORIES  
INCORPORATED  
BETHLEHEM, PA.

Manufactured by  
General Laboratories,  
Madison, Wis.

For Bethlehem Laboratories, Inc., Distributors



PRINCO

## Sphygmomanometers

To employ our instrument-makers during the business depression we put all on Sphygmomanometers, and now have a large stock ready for shipment, and more coming through.

On every order accompanied by check, money order or draft, we will allow

**20% discount**  
on List Prices

Folding Type, \$30.00  
Desk Type, \$25.00



Write  
for  
Bulletin  
SA

Precision Thermometer and Instrument Co.  
1434-36-38 Brandywine St. - Philadelphia, Pa.

## CASEIN in DIABETES

Splendid results follow the use of casein foods in diabetes. Strictly starch-free bread, muffins, biscuits, cookies—decidedly palatable—nutritious—satisfying diabetic hunger—can be easily made in any home from

## LISTER'S Prepared Casein DIABETIC FLOUR

Absolutely free from starch, sugar and purins. Accepted by The Council. Lister's Flour comes to your patient weighed out into sealed boxes, enough in each for one day—a month's supply of thirty boxes sells to the patient for \$4.85. Many easily followed recipes accompany each box. Try it on your most stubborn cases and note how superior it is to gluten which always contains starch and is not palatable. *See ad*

Sold by **LISTER BROS., Inc.**

405 Lexington Avenue - - New York City